Access DB# 101049

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: ELSA ELMHILO Examiner #: 78424 Date: 8/6/03
Art Unit: 1751 Phone Number 30 50217 Serial Number: 10052967
Mail Box and Bldg/Room Location: CP3/9D34 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: ~~MU-111 Lem et al~~ Primary intermediate for oxidative coloration of hair

Inventors (please provide full names): Mu-111 Lem et al.

Earliest Priority Filing Date: 1/23/2001

For Sequence Searches Only *Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

Please do search on the attached formula (1)

Thank you

Examiner Elmhilo
8/6/03

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STAFF USE ONLY

Searcher: K. Fuller
Searcher Phone #:
Searcher Location:
Date Searcher Picked Up:
Date Completed: 8/14/03
Searcher Prep & Review Time: 20
Clerical Prep Time:
Online Time: 15

Type of Search

NA Sequence (#)
AA Sequence (#)
Structure (#) 1
Bibliographic
Litigation
Fulltext
Patent Family
Other

Vendors and cost where applicable

STN ✓
Dialog
Questel/Orbit
Dr.Link
Lexis/Nexis
Sequence Systems
WWW/Internet
Other (specify)

PTO-1590 (1-2000)

STIC Search Report
EIC 1700

STIC Database Tracking Number: 101049

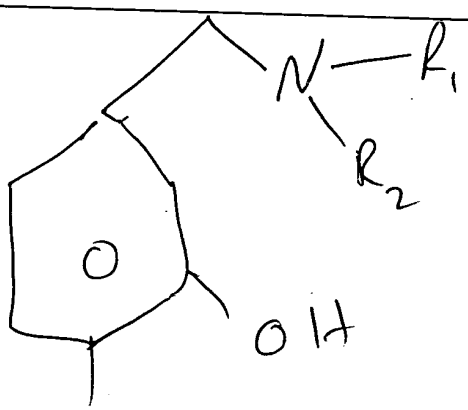
TO: Eisa Elhilo
Location: CP3 9D34
Art Unit : 1751
August 14, 2003

Case Serial Number: 10/052967

From: Kathleen Fuller
Location: EIC 1700
CP3/4 3D62
Phone: 308-4290

Kathleen.Fuller@uspto.gov

Search Notes



(7)

10/052967

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STIC Search Results Feedback Form

EIC17000

Questions about the scope or the results of the search? Contact ***the EIC searcher or contact:***

Kathleen Fuller, EIC 1700 Team Leader
308-4290, CP3/4-3D62

Voluntary Results Feedback Form

- *I am an examiner in Workgroup:* ☐ *Example: 1713*
- *Relevant prior art **found**, search results used as follows:*
  - ☐ 102 rejection
  - ☐ 103 rejection
  - ☐ Cited as being of interest.
  - ☐ Helped examiner better understand the invention.
  - ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature
  (journal articles, conference proceedings, new product announcements etc.)

- *Relevant prior art **not found:***
  - ☐ Results verified the lack of relevant prior art (helped determine patentability).
  - ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

Drop off or send completed forms to STIC/EIC1700 CP3/4 3D62

=> file reg
FILE 'REGISTRY' ENTERED AT 10:51:15 ON 14 AUG 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 13 AUG 2003 HIGHEST RN 566135-25-9
DICTIONARY FILE UPDATES: 13 AUG 2003 HIGHEST RN 566135-25-9

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

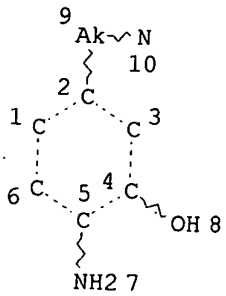
Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=> file hcaplus
FILE 'HCAPLUS' ENTERED AT 10:51:19 ON 14 AUG 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 14 Aug 2003 VOL 139 ISS 7
FILE LAST UPDATED: 13 Aug 2003 (20030813/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d que
L5 SCR 403
L7 SCR 1838 AND 1993 AND 2004
L11 STR



29 structures from the query

NODE ATTRIBUTES:
NSPEC IS RC AT 10
CONNECT IS E2 RC AT 9
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC 1
NUMBER OF NODES IS 10

STEREO ATTRIBUTES: NONE
L13 SCR 1568
L15 29 SEA FILE=REGISTRY SSS FUL L11 AND L5 AND L7 AND L13
L16 40 SEA FILE=HCAPLUS ABB=ON L15
L17 1 SEA FILE=HCAPLUS ABB=ON L16 AND (HAIR OR KERAT?)

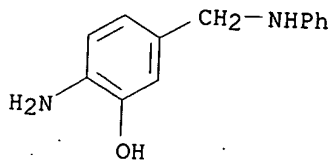
1 CA reference on utility applicant

=> d l17 all hitstr

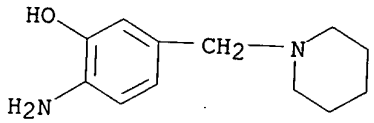
L17 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2003 ACS on STN
AN 2002:574887 HCAPLUS
DN 137:129539
TI Primary intermediates for oxidative coloration of **hair**
IN Lim, Mu-Ill; Pan, Yuh-Guo
PA Clairol Incorporated, USA
SO PCT Int. Appl., 48 pp.
CODEN: PIXXD2
DT Patent
LA English
IC ICM A61K007-13
CC 62-3 (Essential Oils and Cosmetics)
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002058654	A1	20020801	WO 2002-US1533	20020118
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	US 2002144359	A1	20021010	US 2002-52967	20020118

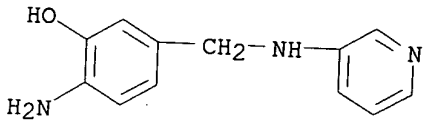
PRAI US 2001-263588P P 20010123
OS MARPAT 137:129539
AB Primary intermediates for **hair** coloring compns. for oxidative dyeing of **hair** are 2-amino-5-aminomethylphenols. **Hair** dye compns. contained, e.g., 2-amino-5-phenylaminomethylphenol and 2-aminophenol.
ST **hair** dye primary intermediate oxidn amino phenol
IT Oxidizing agents
(2-amino-5-aminomethylphenol primary intermediates for oxidative coloration of **hair**)
IT **Hair** preparations
(dyes; 2-amino-5-aminomethylphenol primary intermediates for oxidative coloration of **hair**)
IT Amination
(reductive; 2-amino-5-aminomethylphenol primary intermediates for oxidative coloration of **hair**)
IT 90-15-3, 1-Naphthol 95-55-6, 2-Aminophenol 95-70-5, 2-Methylbenzene-1,4-diamine 95-88-5, 4-Chlorobenzene-1,3-diol 106-50-3, p-Phenylenediamine, biological studies 108-46-3, Resorcinol, biological studies 123-30-8, 4-Aminophenol 150-75-4, 4-Methylaminophenol 591-27-5, 3-Aminophenol 608-25-3, 2-Methylbenzene-1,3-diol 1004-74-6, Pyrimidinetetramine 2380-86-1, 1H-Indol-6-ol 2835-95-2, 5-Amino-2-methylphenol 2835-98-5, 2-Amino-5-methylphenol 2835-99-6, 4-Amino-3-methylphenol 7469-77-4, 2-Methyl-1-naphthol 7575-35-1 16867-03-1, 2-Aminopyridin-3-ol 17672-22-9, 2-Amino-6-methylphenol 26021-57-8 41927-22-4, 4-Methyl-2-phenyl-2,4-dihydro-3H-pyrazol-3-one 53222-92-7, 3-Amino-2-methylphenol 55302-96-0, 5-(2-Hydroxyethylamino)-2-methylphenol 70643-19-5, 2-(2,4-Diaminophenoxy)ethanol 83763-47-7 93841-24-8, 2-(2,5-Diaminophenyl)ethanol 94082-77-6 129697-50-3 131311-66-5 155601-17-5 157469-54-0 220264-60-8 307493-94-3, 3-(2,4-Diaminophenoxy)-1-propanol 329320-36-7 **444169-67-9 444169-68-0 444169-69-1 444169-70-4 444169-71-5 444169-72-6 444169-73-7 444169-74-8 444169-75-9**
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(2-amino-5-aminomethylphenol primary intermediates for oxidative coloration of **hair**)
IT 704-13-2, 3-Hydroxy-4-nitrobenzaldehyde
RL: RCT (Reactant); RACT (Reactant or reagent)
(2-amino-5-aminomethylphenol primary intermediates for oxidative coloration of **hair**)
RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE
(1) Hurley; WO 9940093 1999 HCAPLUS
(2) Loev; Journal of Medicinal Chemistry 1985, V18(1), P24
(3) Yamane; JP 6345282 1988
IT **444169-67-9 444169-68-0 444169-69-1 444169-70-4 444169-71-5 444169-72-6 444169-73-7 444169-74-8 444169-75-9**
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(2-amino-5-aminomethylphenol primary intermediates for oxidative coloration of **hair**)
RN 444169-67-9 HCAPLUS
CN Phenol, 2-amino-5-[(phenylamino)methyl]- (9CI) (CA INDEX NAME)



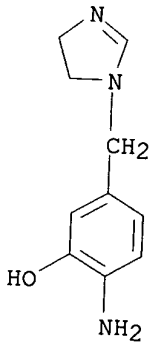
RN 444169-68-0 HCAPLUS
CN Phenol, 2-amino-5-(1-piperidinylmethyl)- (9CI) (CA INDEX NAME)



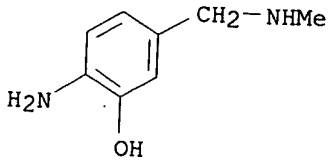
RN 444169-69-1 HCAPLUS
CN Phenol, 2-amino-5-[(3-pyridinylamino)methyl]- (9CI) (CA INDEX NAME)



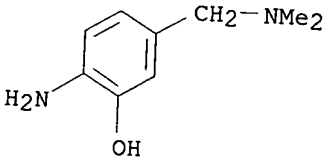
RN 444169-70-4 HCAPLUS
CN Phenol, 2-amino-5-[(4,5-dihydro-1H-imidazol-1-yl)methyl]- (9CI) (CA INDEX NAME)



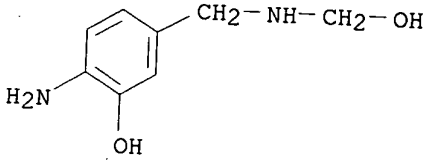
RN 444169-71-5 HCAPLUS
CN Phenol, 2-amino-5-[(methylamino)methyl]- (9CI) (CA INDEX NAME)



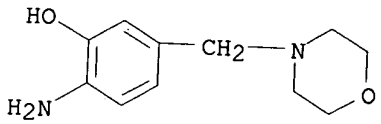
RN 444169-72-6 HCAPLUS
CN Phenol, 2-amino-5-[(dimethylamino)methyl]- (9CI) (CA INDEX NAME)



RN 444169-73-7 HCAPLUS
CN Phenol, 2-amino-5-[[(hydroxymethyl)amino]methyl]- (9CI) (CA INDEX NAME)



RN 444169-74-8 HCAPLUS
CN Phenol, 2-amino-5-(4-morpholinylmethyl)- (9CI) (CA INDEX NAME)



RN 444169-75-9 HCAPLUS
CN Phenol, 2-amino-5-[(dipropylamino)methyl]- (9CI) (CA INDEX NAME)